

ELECTRIC SUBMERSIBLE SEWAGE PUMPS



caprari

**NEW
GENERATION**

THE PUMP THAT NEVER STOPS



caprari



THE SAME PUMP FOR **ALL APPLICATIONS**

IDEAL FOR

WASTEWATER TRANSPORT

WASTEWATER TREATMENT

INDUSTRY

STORMWATER

THE NEW GENERATION OF PUMPS IN THE WORLD OF WASTEWATER

The wide range of the K+ series is designed **to pump wastewater** containing gases and solids

The excellent performance of the hydraulic profiles ensures **maximum efficiency**

The special compact size of the pump ensure **total reliability** and **ease of installation**



TECHNICAL FEATURES

Flow rate up to 1700 l/s	Head up to 67 m	Power up to 345 kW	Frequency 50-60 Hz	ATEX version Yes
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IN WET PIT



IN DRY CHAMBER

WHY CHOOSE K+ ENERGY?

Electrical efficiency, hydraulic performance and Caprari international patents for **the best wastewater pump in the world**



IE3 ELECTRICAL EFFICIENCY CLASS

K+ Energy pumps are designed to ensure high efficiency and reduced energy costs

Exclusive

K+ NON STOP

ANTI-CLOGGING SYSTEM

1. The **widest free passages** on the market
2. **Maximum durability** of mechanical seal
3. Impeller **cleaning** and axial thrust compensation for bearing **protection**
4. **Anti-sedimentation system** for solids

International Patent

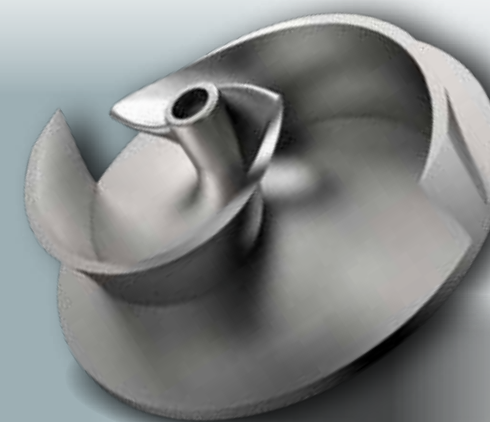
DRYWET SYSTEM
Caprari International Patent

OIL COOLING SYSTEM

1. Application **versatility**
2. **Simple** operation
3. **Maximum operating efficiency**

new

The **K+ ENERGY** range is now more extensive thanks to the new electric pump models with **twin-blade open impeller**, which ensure **excellent efficiency above 80%**.



HIGH EFFICIENCY IMPELLER

- **Open twin blade** construction: **efficiency above 80%**
- Maximum **wear resistance**: hardened cast iron

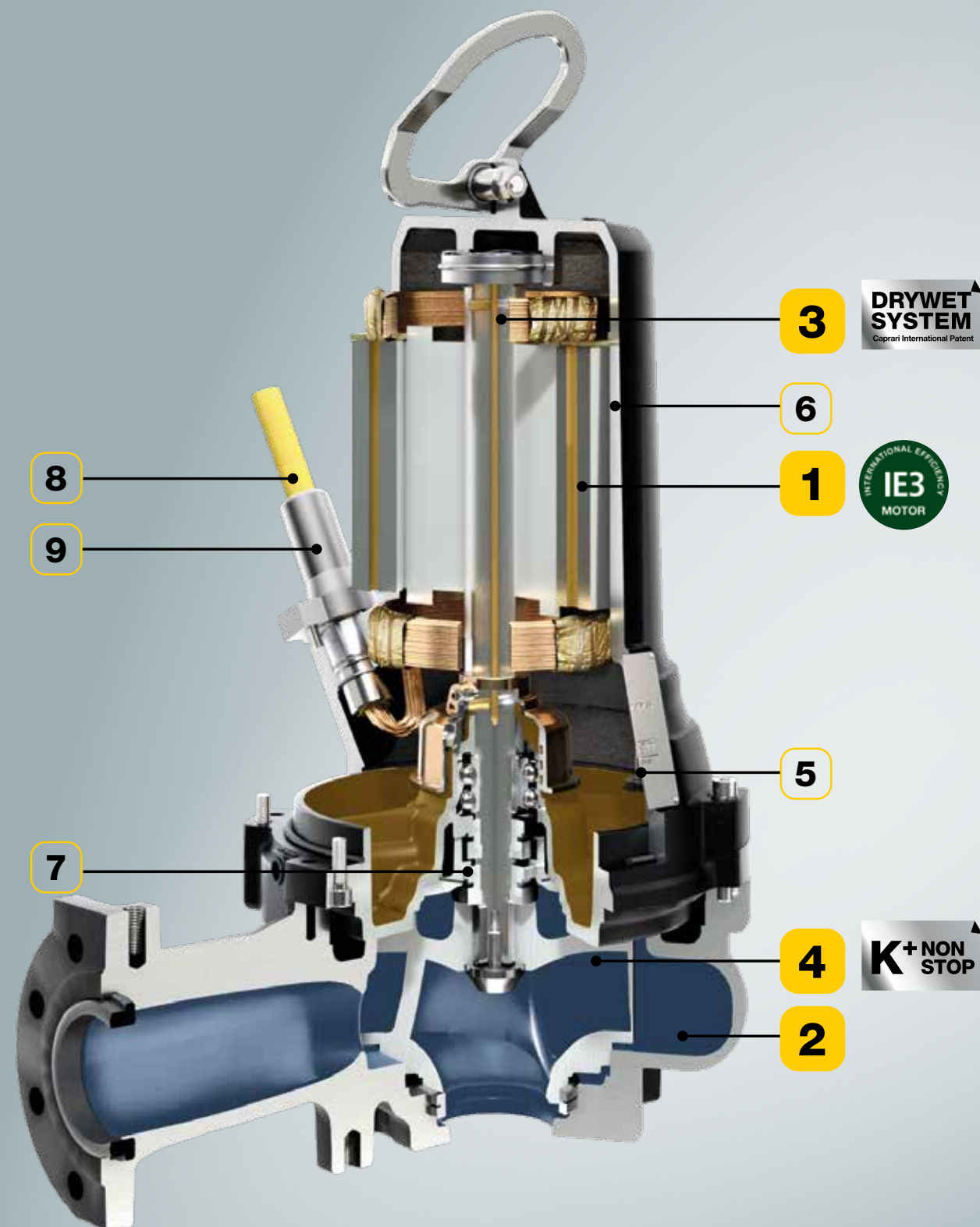
International Patent

IMPELLER SETTING SYSTEM

FIXING SYSTEM
Caprari International Patent

- **Fast impeller disc setting** through external screw
- **Easy maintenance**

THE BEST PUMP IN THE WORLD OF WASTEWATER



1 IE3 ELECTRICAL EFFICIENCY CLASS

- **High motor efficiency**
- **Reduced energy costs**

2 HIGH-EFFICIENCY HYDRAULICS

- **Painted surfaces:** hydraulic profile optimization with high-level finish

3 OIL COOLING SYSTEM

- **Standard** on all models
- **S1 operation** in dry chamber

International Patent

4 ANTI-CLOGGING SYSTEM

- **The widest free passages** in the market
- **Maximum operational safety**

Exclusive

5 CONDUCTIVITY PROBE IN OIL CHAMBER

- **Standard** on all models even for ATEX version
- **Motor protection:** the alarm signal is sent to the panel in case of failure of the first mechanical seal

International Patent

6 H CLASS ELECTRICAL INSULATION

- **The best resistance** to thermal changes (up to 180 °C)
- **Longer service life** of the motor

7 DOUBLE MECHANICAL SEAL

- **Double protection** of the electric motor
- **Commercial type seals:** easy to find
- **Ease of access:** it is not necessary to remove the motor to replace the seals

8 NSSHOU-J DOUBLE SHEATH CABLE

- **The best resistance** to liquids containing chemicals and oils
- **The best mechanical and thermal resistance**

Exclusive

9 EASY MAINTENANCE PLUG

- **Easy to disconnect** and **lower maintenance time:** the electric cable can be unplugged from the pump

Wastewater Transport and Treatment

Boosting and Distribution of surface water

Water Collection and Distribution

Pump Control Technology



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